Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
Data File : BG039921.D
Acq On : 14 Mar 2019 3:21
Operator : JU/SJ
Sample : PB117850BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB117850BS

Quant Time: Mar 14 04:21:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 40674 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.96 | 136 | 174651 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 120982 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.52 | 188 | 299740 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.81 | 240 | 309463 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.17 | 264 | 319141 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 338202 | 141.85 | ng | | -0.02 |
| 7) Phenol-d6 | 7.30 | 99 | 477351 | 134.28 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 287719 | 89.10 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 186950 | 132.58 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 692665 | 81.52 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.11 | 244 | 1150465 | 81.85 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 38787 | 35.238 | ng | | 94 |
| 3) Pyridine | 3.98 | 79 | 101417 | 34.416 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.90 | 42 | 60239 | 43.092 | ng | | 88 |
| 6) Aniline | 7.47 | 93 | 91184 | 19.578 | ng | | 98 |
| 8) 2-Chlorophenol | 7.71 | 128 | 118267 | 40.888 | ng | | 97 |
| 9) Benzaldehyde | 7.29 | 77 | 55885 | 24.370 | ng | | 97 |
| 10) Phenol | 7.32 | 94 | 160311 | 41.627 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 114600 | 38.167 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 128372 | 39.242 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 129566 | 38.884 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 122158 | 37.944 | ng | | 99 |
| 15) Benzyl Alcohol | 8.39 | 79 | 113069 | 40.096 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.66 | 45 | 238847 | 39.773 | ng | | 99 |
| 17) 2-Methylphenol | 8.58 | 107 | 101960 | 41.521 | ng | | 98 |
| 18) Hexachloroethane | 9.23 | 117 | 46734 | 39.088 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 95812 | 37.445 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 143710 | 42.126 | ng | | 98 |
| 22) Acetophenone | 8.98 | 105 | 181798 | 38.783 | ng | # | 96 |
| 24) Nitrobenzene | 9.37 | 77 | 143958 | 42.494 | ng | | 99 |
| 25) Isophorone | 9.88 | 82 | 272442 | 40.264 | ng | | 99 |
| 26) 2-Nitrophenol | 10.08 | 139 | 69285 | 42.359 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 120031 | 47.184 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 165999 | 40.370 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 130480 | 45.556 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 132325 | 41.058 | ng | | 97 |
| 31) Naphthalene | 11.02 | 128 | 377001 | 40.770 | ng | | 99 |
| 32) Benzoic acid | 10.21 | 122 | 12209 | 12.627 | ng | | 96 |
| 33) 4-Chloroaniline | 11.13 | 127 | 45999 | 11.731 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 88024 | 39.968 | ng | | 93 |
| 35) Caprolactam | 11.91 | 113 | 45161 | 41.277 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 141333 | 43.047 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 284406 | 41.139 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.83 | 142 | 268695 | 39.994 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 160095 | 39.061 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.94 | 237 | 215438 | 98.085 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.21 | 196 | 109190 | 45.505 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.28 | 196 | 114958 | 42.503 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 388613 | 39.054 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.66 | 162 | 297944 | 39.801 | ng | | 99 |
| 48) 2-Nitroaniline | 13.87 | 65 | 104839 | 43.580 | ng | | 99 |
| 49) Acenaphthylene | 14.50 | 152 | 480043 | 39.064 | ng | | 99 |
| 50) Dimethylphthalate | 14.22 | 163 | 404561 | 39.991 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.35 | 165 | 89352 | 41.663 | ng | | 95 |
| 52) Acenaphthene | 14.84 | 154 | 292443 | 39.539 | ng | | 100 |
| 53) 3-Nitroaniline | 14.68 | 138 | 37434 | 17.364 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.89 | 184 | 15478 | 15.948 | ng | | 98 |
| 55) Dibenzofuran | 15.17 | 168 | 479138 | 39.484 | ng | | 98 |
| 56) 4-Nitrophenol | 14.98 | 139 | 145735 | 75.568 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.14 | 165 | 127565 | 42.332 | ng | | 90 |
| 58) Fluorene | 15.82 | 166 | 381470 | 39.988 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 114592 | 43.382 | ng | | 99 |
| 60) Diethylphthalate | 15.57 | 149 | 413662 | 41.306 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.81 | 204 | 203574 | 39.990 | ng | | 97 |
| 62) 4-Nitroaniline | 15.85 | 138 | 97688 | 41.798 | ng | | 94 |
| 63) Azobenzene | 16.10 | 77 | 373609 | 41.156 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 24406 | 13.771 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 16.02 | 169 | 353056 | 40.686 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.70 | 248 | 134450 | 40.073 | ng | | 94 |
| 68) Hexachlorobenzene | 16.82 | 284 | 138016 | 39.685 | ng | | 94 |
| 69) Atrazine | 16.96 | 200 | 133437 | 39.072 | ng | | 99 |
| 70) Pentachlorophenol | 17.16 | 266 | 123509 | 56.232 | ng | | 98 |
| 71) Phenanthrene | 17.56 | 178 | 656555 | 39.767 | ng | | 100 |
| 72) Anthracene | 17.65 | 178 | 666496 | 41.426 | ng | | 99 |
| 73) Carbazole | 17.93 | 167 | 592801 | 40.871 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 718015 | 42.075 | ng | | 99 |
| 75) Fluoranthene | 19.56 | 202 | 809832 | 41.504 | ng | | 99 |
| 77) Benzidine | 19.74 | 184 | 182982 | 18.633 | ng | | 99 |
| 78) Pyrene | 19.92 | 202 | 811133 | 40.337 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.79 | 149 | 336131 | 43.145 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.79 | 228 | 803374 | 41.422 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.70 | 252 | 118029 | 16.668 | ng | | 98 |
| 83) Chrysene | 21.86 | 228 | 743954 | 39.566 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 470265 | 42.955 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.90 | 149 | 816535 | 45.045 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 29.03 | 276 | 907349 | 42.537 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 24.09 | 252 | 784745 | 41.235 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.16 | 252 | 773718 | 43.676 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.01 | 252 | 772034 | 43.901 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.10 | 278 | 740350 | 42.943 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.26 | 276 | 755791 | 43.650 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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